

538,913

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

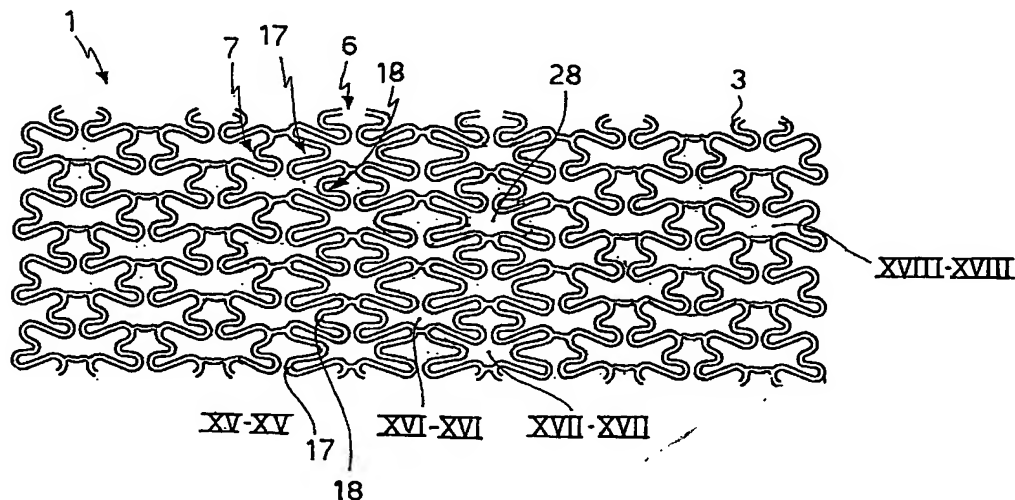
(19) World Intellectual Property
Organization
International Bureau(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056291 A1

- (51) International Patent Classification⁷: A61F 2/06
- (21) International Application Number: PCT/IT2002/000813
- (22) International Filing Date:
19 December 2002 (19.12.2002)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): INVATEC S.R.L. [IT/IT]; Via Martiri della Libertà, 7, I-25030 Roncadelle (IT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): VENTURELLI, Andrea [IT/IT]; Via L. Marengo, 7, I-25062 Concesio (IT).
- (74) Agents: VITTORANGELI, Lucia et al.; Jacobacci & Partners S.p.A., Via Senato, 8, I-20121 Milano (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ENDOLUMENAL PROSTHESIS



(57) Abstract: An expandable endolumenal prosthesis (2) comprises, in the non-expanded configuration, a tubular body (3) extending along a longitudinal axis and having a distal end (4) and a proximal end (5), the tubular body having a porous wall defined by a plurality of interlaced circumferential lines (6) forming a pathway motif or pattern, in which each of the lines comprises at least one plurality of modules (7), each module comprises three lobes, that is, two outer lobes (8) and one inner lobe (9) disposed between the two outer lobes in the pathway of the pattern, both of the outer lobes of the three lobes being extended by straight outer arms (15), the at least one plurality of modules being arranged consecutively so as to have successive outer arms which extend from the outer lobes in substantially opposite directions relative to the pathway of the pattern for two successive modules, and in which, for each module, the distance (d1) between the apex of one of the outer lobes and the apex of the inner lobe of the same module is less than the distance (D2, D3) between the apex of the same outer lobe and the apex of any outer lobe of an adjoining module.

WO 2004/056291 A1